

Errors Corrected by the STIC Systems Branch

1655

Serial Number: 09/269,250B

CRF Processing Date: 11/20/2000

Edited by:

Verified by: (STIC staff)

ENTERED

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- ☐ Edited a format error in the Current Application Data section, specifically:
- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically:
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were:
- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included:
- ☐ Deleted extra, invalid, headings used by an applicant, specifically:
- ☐ Deleted: ☐ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as
- ☒ Inserted mandatory headings, specifically: 62207 thought
- ☐ Corrected an obvious error in the response, specifically:
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically:
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted ending stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected:
- ☐ Other:

Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

RAW SEQUENCE LISTING  
 PATENT APPLICATION: US/09/269,250B  
 DATE: 11/21/2000  
 TIME: 08:49:51

Input Set : A:\Pto.amc  
 Output Set: N:\CRF3\11212000\I269250B.raw

PS

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2 <110> APPLICANT: Goulmy, Elsa
4 <120> TITLE OF INVENTION: METHOD FOR TYPING OF MINOR HISTOCOMPATIBILITY ANTIGEN
5   HA-1
7 <130> FILE REFERENCE: 2799/58994
9 <140> CURRENT APPLICATION NUMBER: 09/269,250B
C--> 10 <141> CURRENT FILING DATE: 1999-05-21
12 <160> NUMBER OF SEQ ID NOS: 38
14 <170> SOFTWARE: PatentIn Ver. 2.1
16 <210> SEQ ID NO: 1
17 <211> LENGTH: 377
18 <212> TYPE: DNA
19 <213> ORGANISM: Human
21 <400> SEQUENCE: 1
22 gtgagagcca cggggacacc gaggcctggg tggaaagacag agccagaccc aagggaggat 60
23 ggagggaggg acttggggag qctcagaagg gagggaggct cagatggcag ggagggctgt 120
24 gtggaagagg ccatgacacc taaggctctg agggatgtgt aggagtttgg tgggggagtc 180
25 cctgagcgta cactggctca agaggggtgcc cactttattt tttttaaagg atctgatggc 240
26 aattaggagg gaaaggcaga ggaatqtc ccatgcacag ctcagaaaca cggaaacaga 300
27 gaatgcattt gggggccaag gtgtgggggt cgcctggtgt aggatgaagg catgacaacg 360
28 ccaggcagaa gggcaat
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33 <212> TYPE: DNA
34 <213> ORGANISM: Artificial Sequence
36 <220> FEATURE:
37 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
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40 gtgctgctc ctggacactg
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45 <212> TYPE: DNA
46 <213> ORGANISM: Artificial Sequence
48 <220> FEATURE:
49 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
51 <400> SEQUENCE: 3
52 tggtctcac cgtcatgcag
55 <210> SEQ ID NO: 4
56 <211> LENGTH: 20
57 <212> TYPE: DNA
58 <213> ORGANISM: Artificial Sequence
60 <220> FEATURE:
61 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
63 <400> SEQUENCE: 4
64 tggtctcac cgtcacgcaa
67 <210> SEQ ID NO: 5
68 <211> LENGTH: 20
69 <212> TYPE: DNA

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RAW SEQUENCE LISTING                      DATE: 11/21/2000  
 PATENT APPLICATION: US/09/269,250B        TIME: 08:49:51

Input Set : A:\Pto.amc  
 Output Set: N:\CRF3\11212000\I269250B.raw

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70 <213> ORGANISM: Artificial Sequence
72 <220> FEATURE:
73 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
75 <400> SEQUENCE: 5
76 gcattctctg ttccggtgtt                20
79 <210> SEQ ID NO: 6
80 <211> LENGTH: 20
81 <212> TYPE: DNA
82 <213> ORGANISM: Artificial Sequence
84 <220> FEATURE:
85 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
87 <400> SEQUENCE: 6
88 cttaaggagt gtgtgtctga                20
91 <210> SEQ ID NO: 7
92 <211> LENGTH: 20
93 <212> TYPE: DNA
94 <213> ORGANISM: Artificial Sequence
96 <220> FEATURE:
97 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
99 <400> SEQUENCE: 7
100 cttaaggagt gtgtgttgcg                20
103 <210> SEQ ID NO: 8
104 <211> LENGTH: 20
105 <212> TYPE: DNA
106 <213> ORGANISM: Artificial Sequence
108 <220> FEATURE:
109 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
111 <400> SEQUENCE: 8
112 gctgtcatgg cctcttccac                20
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116 <211> LENGTH: 20
117 <212> TYPE: DNA
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121 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
123 <400> SEQUENCE: 9
124 gcattctctg ttccggtgtt                20
127 <210> SEQ ID NO: 10
128 <211> LENGTH: 20
129 <212> TYPE: DNA
130 <213> ORGANISM: Artificial Sequence
132 <220> FEATURE:
133 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
135 <400> SEQUENCE: 10
136 ggcagagagc cctgcagacc                20
139 <210> SEQ ID NO: 11
140 <211> LENGTH: 18
141 <212> TYPE: DNA
142 <213> ORGANISM: Artificial Sequence

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RAW SEQUENCE LISTING  
 PATENT APPLICATION: US/09/269,250B  
 DATE: 11/21/2000  
 TIME: 08:49:51  
 Input Set : A:\Pto.amc  
 Output Set: N:\CRF3\11212000\I269250B.raw

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145 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
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152 <211> LENGTH: 15
153 <212> TYPE: DNA
154 <213> ORGANISM: Artificial Sequence
156 <220> FEATURE:
157 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
159 <400> SEQUENCE: 12
160 qtgtgtttgcg tgacg 15
163 <210> SEQ ID NO: 13
164 <211> LENGTH: 16
165 <212> TYPE: DNA
166 <213> ORGANISM: Artificial Sequence
168 <220> FEATURE:
169 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
171 <400> SEQUENCE: 13
172 tgtgtgtttgc gtgacg 16
175 <210> SEQ ID NO: 14
176 <211> LENGTH: 19
177 <212> TYPE: DNA
178 <213> ORGANISM: Artificial Sequence
180 <220> FEATURE:
181 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
183 <400> SEQUENCE: 14
184 tgtgtgtgtgc atgacgggtg 19
187 <210> SEQ ID NO: 15
188 <211> LENGTH: 18
189 <212> TYPE: DNA
190 <213> ORGANISM: Artificial Sequence
192 <220> FEATURE:
193 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
195 <400> SEQUENCE: 15
196 tgtgtgtgtgc atgacgggt 18
199 <210> SEQ ID NO: 16
200 <211> LENGTH: 18
201 <212> TYPE: DNA
202 <213> ORGANISM: Artificial Sequence
204 <220> FEATURE:
205 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
207 <400> SEQUENCE: 16
208 gtgtgtgtgca tgaagggtg 18
211 <210> SEQ ID NO: 17
212 <211> LENGTH: 9
213 <212> TYPE: PRT
214 <213> ORGANISM: Human
216 <220> FEATURE:

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RAW SEQUENCE LISTING                      DATE: 11/21/2000  
 PATENT APPLICATION: US/09/269,250B        TIME: 08:49:51

Input Set : A:\Pto.amc  
 Output Set: N:\CRF3\11212000\I269250B.raw

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217 <221> NAME/KEY: SITE
218 <222> LOCATION: (3)
219 <223> OTHER INFORMATION: Wherein Xaa at position 3 represents a histidine
220      (H) or an arginine (R) residue.
222 <400> SEQUENCE: 17
W--> 223 Val Leu Xaa Asp Asp Leu Leu Glu Ala
224      1      5
227 <210> SEQ ID NO: 18
228 <211> LENGTH: 25
229 <212> TYPE: DNA
230 <213> ORGANISM: Artificial Sequence
232 <220> FEATURE:
233 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
235 <400> SEQUENCE: 18
236 gctcctgcac gacgctctgt ctgca                25
239 <210> SEQ ID NO: 19
240 <211> LENGTH: 24
241 <212> TYPE: DNA
242 <213> ORGANISM: Artificial Sequence
244 <220> FEATURE:
245 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
247 <400> SEQUENCE: 19
248 gacgtcgtcg aggacatctc ccat                24
251 <210> SEQ ID NO: 20
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253 <212> TYPE: DNA
254 <213> ORGANISM: Artificial Sequence
256 <220> FEATURE:
257 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
259 <400> SEQUENCE: 20
260 gaaggccaca gcaatcgtct ccagg                25
263 <210> SEQ ID NO: 21
264 <211> LENGTH: 30
265 <212> TYPE: DNA
266 <213> ORGANISM: Artificial Sequence
268 <220> FEATURE:
269 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
271 <400> SEQUENCE: 21
272 ccttgagaaa cttaaggagt gtgtgctgca            30
275 <210> SEQ ID NO: 22
276 <211> LENGTH: 30
277 <212> TYPE: DNA
278 <213> ORGANISM: Artificial Sequence
280 <220> FEATURE:
281 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
283 <400> SEQUENCE: 22
284 ccttgagaaa cttaaggagt gtgtgttgcg            30
287 <210> SEQ ID NO: 23
288 <211> LENGTH: 33

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RAW SEQUENCE LISTING                      DATE: 11/21/2000  
 PATENT APPLICATION: US/09/269,250B      TIME: 08:49:52  
 Input Set : A:\Pto.amc  
 Output Set: N:\CRF3\11212000\I269250B.raw

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289 <212> TYPE: DNA
290 <213> ORGANISM: Artificial Sequence
292 <220> FEATURE:
293 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
295 <400> SEQUENCE: 23
296 cgggcacgga cgtcgtcgag gacatctccc atc 33
299 <210> SEQ ID NO: 24
300 <211> LENGTH: 30
301 <212> TYPE: DNA
302 <213> ORGANISM: Artificial Sequence
304 <220> FEATURE:
305 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
307 <400> SEQUENCE: 24
308 ctacttcagg ccacagcaat cgtctccagg 30
311 <210> SEQ ID NO: 25
312 <211> LENGTH: 27
313 <212> TYPE: DNA
314 <213> ORGANISM: Artificial Sequence
316 <220> FEATURE:
317 <221> NAME/KEY: CDS
318 <222> LOCATION: (1)..(27)
320 <220> FEATURE:
321 <223> OTHER INFORMATION: Description of Artificial Sequence: Exon
322 Fragments
324 <400> SEQUENCE: 25
325 gtg ttg cgt gac gac ctc ctt gag gcc 27
326 Val Leu Arg Asp Asp Leu Leu Glu Ala
327 1 5
330 <210> SEQ ID NO: 26
331 <211> LENGTH: 9
332 <212> TYPE: PRI
333 <213> ORGANISM: Artificial Sequence
W--> 334 <220> FEATURE:
335 <223> OTHER INFORMATION: Description of Artificial Sequence: Exon
336 Fragments
338 <400> SEQUENCE: 26
339 Val Leu Arg Asp Asp Leu Leu Glu Ala
340 1 5
344 <210> SEQ ID NO: 27
345 <211> LENGTH: 27
346 <212> TYPE: DNA
347 <213> ORGANISM: Artificial Sequence
349 <220> FEATURE:
350 <221> NAME/KEY: CDS
351 <222> LOCATION: (1)..(27)
353 <220> FEATURE:
354 <223> OTHER INFORMATION: Description of Artificial Sequence: Exon
355 Fragments
357 <400> SEQUENCE: 27

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*MYT*

**Please Note:**

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

## VERIFICATION SUMMARY

DATE: 11/21/2000

PATENT APPLICATION: US/09/269,250B

TIME: 08:49:53

Input Set : A:\Pto.amc

Output Set: N:\CRF3\11212000\I269250B.raw

L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:223 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17  
L:334 M:283 W: Missing Blank Line separator, <220> field identifier  
L:367 M:283 W: Missing Blank Line separator, <220> field identifier  
L:425 M:283 W: Missing Blank Line separator, <220> field identifier  
L:456 M:283 W: Missing Blank Line separator, <220> field identifier  
L:491 M:283 W: Missing Blank Line separator, <220> field identifier  
L:515 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37

## STATISTICS SUMMARY

PATENT APPLICATION: US/09/269,250B

DATE: 11/20/2000

TIME: 12:06:38

Input Set : A:\589941.app

Output Set: N:\CRF3\11202000\I269250B.raw

Application Serial Number: US/09/269,250B

Alpha or Numeric: Numeric

Application Class:

Application File Date: 05-21-1999

Art Unit: 1655

Software Application: PatentIn 2.1

Total Number of Sequences: 38

Number of Seqs: 1128

Number of Peps: 96

Number of Errors: 0

Number of Warnings: 7

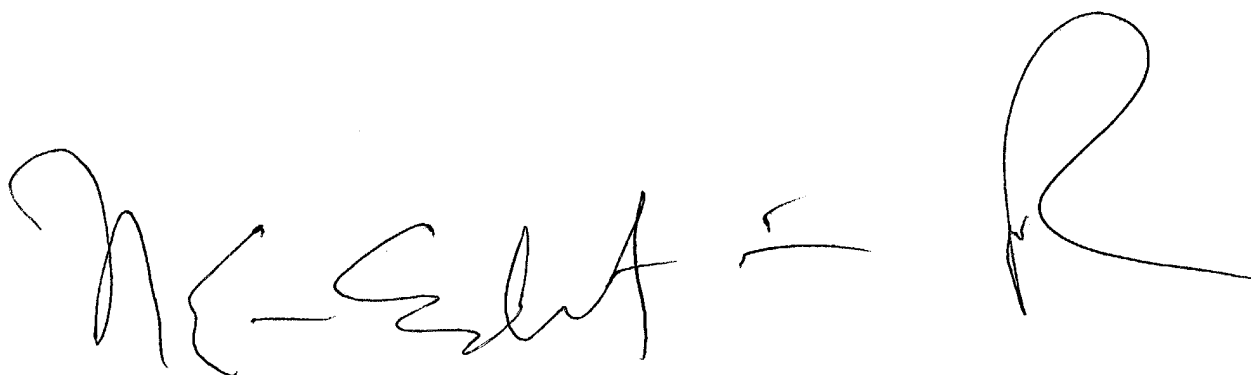
Number of Corrections: 1

## MESSAGE SUMMARY

258 W: 5 (Mandatory Feature missing)

271 C: 1 (Current Filing Date differs)

341 W: 2 ((46) "n" or "Xaa" used)





J. GOUAYA

1655

Does Not Comply  
Corrected Diskette Needed

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/269,250B  
DATE: 11/20/2000  
TIME: 12:06:37

Input Set : A:\589941.app  
Output Set: N:\CRF3\11202000\I269250B.raw

3 <110> APPLICANT: Goulmy, Elsa  
5 <120> TITLE OF INVENTION: METHOD FOR TYPING OF MINOR HISTOCOMPATIBILITY ANTIGEN  
6 HA-1  
8 <130> FILE REFERENCE: 2799/58994  
10 <140> CURRENT APPLICATION NUMBER: 09/269,250B  
C--> 11 <141> CURRENT FILING DATE: 1999-05-21  
13 <160> NUMBER OF SEQ ID NOS: 38  
15 <170> SOFTWARE: PatentIn ver. 2.1  
17 <210> SEQ ID NO: 1  
18 <211> LENGTH: 377  
19 <212> TYPE: DNA  
20 <213> ORGANISM: Human  
22 <400> SEQUENCE: 1  
23 gtgagagcca cggggacacc gaggcctggg tggaaacacag agccagaccc aagggaggat 60  
24 ggaggaggagg acttggggag gctcagaagg gagggaggct cagatggcag ggagggtgtl 120  
25 gtggaagagg ccatgacacg taaggctctg agggatgtgt agggatgttg tgggggagtc 180  
26 cctgagcgta cactggctca agaggggtgcc cactttattt tttttaagg atctgatggc 240  
27 aattaggagg gaaaggcaga ggaatgtcc catgcacagg ctcagaaaca cggaaacaga 300  
28 gaatgcattt gggggccaag gtgtgggggtg ccgctggtgt aggatgaagg catgacaacg 360  
29 ccaggcagaa gggcaat 377  
32 <210> SEQ ID NO: 2  
33 <211> LENGTH: 20  
34 <212> TYPE: DNA  
35 <213> ORGANISM: Artificial Sequence  
37 <220> FEATURE:  
38 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer  
40 <400> SEQUENCE: 2  
41 gtgctgctc ctggacactg 20  
44 <210> SEQ ID NO: 3  
45 <211> LENGTH: 20  
46 <212> TYPE: DNA  
47 <213> ORGANISM: Artificial Sequence  
49 <220> FEATURE:  
50 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer  
52 <400> SEQUENCE: 3  
53 tggctctcac cgtcatgcag 20  
56 <210> SEQ ID NO: 4  
57 <211> LENGTH: 20  
58 <212> TYPE: DNA  
59 <213> ORGANISM: Artificial Sequence  
61 <220> FEATURE:  
62 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer  
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65 tggctctcac cgtcacgcaa 20  
68 <210> SEQ ID NO: 5  
69 <211> LENGTH: 20  
70 <212> TYPE: DNA

RAW SEQUENCE LISTING                      DATE: 11/20/2000  
 PATENT APPLICATION: US/09/269,250B        TIME: 12:06:37

Input Set : A:\589941.app  
 Output Set: N:\CRF3\11202000\I269250B.raw

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71 <213> ORGANISM: Artificial Sequence
73 <220> FEATURE:
74 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
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80 <210> SEQ ID NO: 6
81 <211> LENGTH: 20
82 <212> TYPE: DNA
83 <213> ORGANISM: Artificial Sequence
85 <220> FEATURE:
86 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
88 <400> SEQUENCE: 6
89 cttaaggagt gtgtgctgca                20
92 <210> SEQ ID NO: 7
93 <211> LENGTH: 20
94 <212> TYPE: DNA
95 <213> ORGANISM: Artificial Sequence
97 <220> FEATURE:
98 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
100 <400> SEQUENCE: 7
101 cttaaggagt gtgtgttgca                20
104 <210> SEQ ID NO: 8
105 <211> LENGTH: 20
106 <212> TYPE: DNA
107 <213> ORGANISM: Artificial Sequence
109 <220> FEATURE:
110 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
112 <400> SEQUENCE: 8
113 gctgtcatgg cctcttccac                20
116 <210> SEQ ID NO: 9
117 <211> LENGTH: 20
118 <212> TYPE: DNA
119 <213> ORGANISM: Artificial Sequence
121 <220> FEATURE:
122 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
124 <400> SEQUENCE: 9
125 gcattctctg ttcccggtgtt                20
128 <210> SEQ ID NO: 10
129 <211> LENGTH: 20
130 <212> TYPE: DNA
131 <213> ORGANISM: Artificial Sequence
133 <220> FEATURE:
134 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
136 <400> SEQUENCE: 10
137 ggcagagagc cctgcagacc                20
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141 <211> LENGTH: 18
142 <212> TYPE: DNA
143 <213> ORGANISM: Artificial Sequence

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RAW SEQUENCE LISTING                      DATE: 11/20/2000  
 PATENT APPLICATION: US/09/269,250B      TIME: 12:06:37

Input Set : A:\589941.app  
 Output Set: N:\CRF3\11202000\I269250B.raw

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145 <220> FEATURE:
146 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
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152 <210> SEQ ID NO: 12
153 <211> LENGTH: 15
154 <212> TYPE: DNA
155 <213> ORGANISM: Artificial Sequence
157 <220> FEATURE:
158 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
160 <400> SEQUENCE: 12
161 gtgtgttgcg tgacg                               15
164 <210> SEQ ID NO: 13
165 <211> LENGTH: 16
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167 <213> ORGANISM: Artificial Sequence
169 <220> FEATURE:
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172 <400> SEQUENCE: 13
173 tgtgtgttgc gtagcg                               16
176 <210> SEQ ID NO: 14
177 <211> LENGTH: 19
178 <212> TYPE: DNA
179 <213> ORGANISM: Artificial Sequence
181 <220> FEATURE:
182 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
184 <400> SEQUENCE: 14
185 tgtgtgctgc atgacgggtg                               19
188 <210> SEQ ID NO: 15
189 <211> LENGTH: 18
190 <212> TYPE: DNA
191 <213> ORGANISM: Artificial Sequence
193 <220> FEATURE:
194 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
196 <400> SEQUENCE: 15
197 tgtgtgctgc atgacgggtg                               18
200 <210> SEQ ID NO: 16
201 <211> LENGTH: 18
202 <212> TYPE: DNA
203 <213> ORGANISM: Artificial Sequence
205 <220> FEATURE:
206 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
208 <400> SEQUENCE: 16
209 gtgtgtgca tgacgggtg                               18
212 <210> SEQ ID NO: 17
213 <211> LENGTH: 9
214 <212> TYPE: PRT
215 <213> ORGANISM: Human
217 <220> FEATURE:

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RAW SEQUENCE LISTING  
 PATENT APPLICATION: US/09/269,250B  
 DATE: 11/20/2000  
 TIME: 12:06:37

Input Set : A:\589941.app  
 Output Set: N:\CRF3\11202000\I269250B.raw

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218 <221> NAME/KEY: SITE
219 <222> LOCATION: {3}
220 <223> OTHER INFORMATION: Wherein Xaa at position 3 represents a histidine
221      (H) or an arginine (R) residue.
223 <400> SEQUENCE: 17
W--> 224 Val Leu Xaa Asp Asp Leu Leu Glu Ala
225      1      5
228 <210> SEQ ID NO: 18
229 <211> LENGTH: 25
230 <212> TYPE: DNA
231 <213> ORGANISM: Artificial Sequence
233 <220> FEATURE:
234 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
236 <400> SEQUENCE: 18
237 gctcctgcat gacgctctgt ctgca 25
240 <210> SEQ ID NO: 19
241 <211> LENGTH: 24
242 <212> TYPE: DNA
243 <213> ORGANISM: Artificial Sequence
245 <220> FEATURE:
246 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
248 <400> SEQUENCE: 19
249 gacgtcgtcg aggacatctc ccat 24
252 <210> SEQ ID NO: 20
253 <211> LENGTH: 25
254 <212> TYPE: DNA
255 <213> ORGANISM: Artificial Sequence
257 <220> FEATURE:
258 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
260 <400> SEQUENCE: 20
261 gaagggccaca gcaatcgtct ccagg 25
264 <210> SEQ ID NO: 21
265 <211> LENGTH: 30
266 <212> TYPE: DNA
267 <213> ORGANISM: Artificial Sequence
269 <220> FEATURE:
270 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
272 <400> SEQUENCE: 21
273 ccttgagaaa cttaaggagt gtgtgctgca 30
276 <210> SEQ ID NO: 22
277 <211> LENGTH: 30
278 <212> TYPE: DNA
279 <213> ORGANISM: Artificial Sequence
281 <220> FEATURE:
282 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
284 <400> SEQUENCE: 22
285 ccttgagaaa cttaaggagt gtgtgttgcg 30
288 <210> SEQ ID NO: 23
289 <211> LENGTH: 33

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RAW SEQUENCE LISTING                      DATE: 11/20/2000  
 PATENT APPLICATION: US/09/269,250B      TIME: 12:06:37

Input Set : A:\589941.app  
 Output Set: N:\CRF3\11202000\I269250B.raw

290 <212> TYPE: DNA  
 291 <213> ORGANISM: Artificial Sequence  
 293 <220> FEATURE:  
 294 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer  
 296 <400> SEQUENCE: 23  
 297 ceggcgatgga cgtcgtcgag gacatctccc atc 33  
 300 <210> SEQ ID NO: 24  
 301 <211> LENGTH: 30  
 302 <212> TYPE: DNA  
 303 <213> ORGANISM: Artificial Sequence  
 305 <220> FEATURE:  
 306 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer  
 308 <400> SEQUENCE: 24  
 309 ctacttcagg ccacagcaat cgtctccagg 30  
 312 <210> SEQ ID NO: 25  
 313 <211> LENGTH: 27  
 314 <212> TYPE: DNA  
 315 <213> ORGANISM: Artificial Sequence  
 317 <220> FEATURE:  
 318 <221> NAME/KEY: CDS  
 319 <222> LOCATION: (1)..(27)  
 321 <220> FEATURE:  
 322 <223> OTHER INFORMATION: Description of Artificial Sequence: Exon  
 323        Fragments  
 325 <400> SEQUENCE: 25  
 326 gtg ttg cgt gac gac ctc ctt gag gcc 27  
 327 Val Leu Arg Asp Asp Leu Leu Glu Ala  
 328    1                      5  
 331 <210> SEQ ID NO: 26  
 332 <211> LENGTH: 9  
 333 <212> TYPE: PR1  
 334 <213> ORGANISM: Artificial Sequence  
 335 <220> FEATURE:  
 335 <223> OTHER INFORMATION: Description of Artificial Sequence: Exon  
 338 <400> SEQUENCE: 26  
 339 Val Leu Arg Asp Asp Leu Leu Glu Ala  
 340    1                      5  
 344 <210> SEQ ID NO: 27  
 345 <211> LENGTH: 27  
 346 <212> TYPE: DNA  
 347 <213> ORGANISM: Artificial Sequence  
 349 <220> FEATURE:  
 350 <221> NAME/KEY: CDS  
 351 <222> LOCATION: (1)..(27)  
 353 <220> FEATURE:  
 354 <223> OTHER INFORMATION: Description of Artificial Sequence: Exon  
 355        Fragments  
 357 <400> SEQUENCE: 27  
 358 gtg ctg cat gac gac ctc ctt gag gcc 27

*Insert* w-->

## VERIFICATION SUMMARY

DATE: 11/20/2000

PATENT APPLICATION: US/09/269,250B

TIME: 12:06:38

Input Set : A:\589941.app

Output Set: N:\CRF3\11202000\I269250B.raw

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:224 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17  
L:335 M:258 W: Mandatory Feature missing, <220> FEATURE:  
L:367 M:258 W: Mandatory Feature missing, <220> FEATURE:  
L:424 M:258 W: Mandatory Feature missing, <220> FEATURE:  
L:454 M:258 W: Mandatory Feature missing, <220> FEATURE:  
L:488 M:258 W: Mandatory Feature missing, <220> FEATURE:  
L:511 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37